

AMENDMENTS TO CLAIMS

1. (withdrawn – currently amended) An isolated nucleic acid comprising the sequence of SEQ ID NO: 1, wherein the nucleic acid is from about 91 to about 120 nucleotides.
2. (previously amended) An isolated RNA of 18 to 24 nucleotides encoded by the nucleic acid of claim 1.
3. (cancelled)
4. (withdrawn) A gene encoding the nucleic acid of claim 1, wherein said gene is maternally transferred by a cell to at least one daughter cell of said cell.
5. (previously amended) The RNA of Claim 2, wherein expression of said RNA is capable of promoting expression of a target human gene.
6. (cancelled)
7. (previously amended) The RNA of claim 2 wherein said encoded RNA is capable of modulating expression of a target human gene.
8. (previously amended) The RNA of claim 2 wherein the RNA is at least 50% complementary to a binding site sequence of 18 to 24 nucleotides of a target human gene and wherein the binding site sequence is located in an untranslated region of RNA encoded by said target gene.
9. (previously amended) The RNA of claim 8 wherein the binding site sequence is located in the 3' untranslated region of the RNA encoded by said target human gene.
10. (withdrawn) A vector comprising the nucleic acid of claim 1.
11. (withdrawn) A method of selectively inhibiting translation of at least one gene, comprising introducing the vector of claim 10 into a cell.
12. (withdrawn) A method according to claim 11 and wherein said introducing comprises utilizing RNAi pathway.

13. (withdrawn) A gene expression inhibition system comprising the vector of claim 10 and a means for inserting said vector into a cell.

14. (withdrawn) A probe comprising the nucleic acid of claim 1.

15. (withdrawn) A method of selectively detecting expression of at least one gene, comprising using the probe of claim 14.

16. (withdrawn) A gene expression detection system comprising: the probe of claim 14; and a gene expression detector functional to selectively detect expression of at least one gene.

17. (previously amended) An isolated RNA of about 50 to 77 nucleotides encoded by the nucleic acid of claim 1.

18. (previously amended) An isolated RNA of about 22 nucleotides encoded by the nucleic acid of claim 1.

19. (previously amended) An isolated nucleic acid complementary to the nucleic acid of claim 1.

20. (previously amended) An isolated nucleic acid complementary to the nucleic acid of claim 2.

21. (previously amended) An isolated nucleic acid complementary to the nucleic acid of claim 18.